

AMENDMENTS TO CLAIMS

Please cancel claims 19-22, withdraw claims 14 and 16 from consideration and amend claim 1 wherein underlining indicates addition and strikethrough indicates deletions, as follows:

1. (Currently Amended) A shutter assembly comprising:
at least one continuous, unitary translating member;
a plurality of modular elongate member units, each modular elongate member unit ~~adapted to be mounted to~~ a single shutter blade and including:
a support for a compact boss ~~adapted to be engaged to the shutter blade~~, whereby rotation of the compact boss causes rotation of the shutter blade;
wherein each modular elongate member unit is stackable and engageable to identical modular elongate member units to form an assembled elongate member; and
wherein the assembled elongate member ~~is adapted to facilitate~~ reciprocates reciprocal travel of the translating member along or within the assembled elongate member and the support ~~is adapted to support~~ the compact boss for co-action such that the compact boss co-acts with the translating member to translate such reciprocal motion of the translating member into rotational motion in the compact boss so as to rotate the shutter blade.
2. (Previously presented) A shutter assembly according to claim 1, wherein the modular elongate member unit includes a pair of separately formed and joinable half components.
3. (Previously presented) A shutter assembly according to claim 1, wherein the assembled elongate member unit forms a housing for the compact boss and the translating member.
4. (Previously presented) A shutter assembly according to claim 1, wherein the translating member is controlled by a motorized turning means having sensors responsive to environmental conditions.
5. (Previously presented) A shutter assembly according to claim 1, wherein the elongate member unit may be formed from one or more components.

6. (Previously presented) A shutter assembly according to claim 1, wherein the elongate member unit may include a unitary integrally molded component.

7. (Previously presented) A shutter assembly according to claim 1, wherein the elongate member unit may include a cast component.

8. (Previously presented) A shutter assembly according to claim 1, wherein the engagement of the modular elongate member unit to adjacent identical modular elongate member units may include a variety of modular unit engagement means.

9. (Previously presented) A shutter assembly according to claim 8, wherein the modular unit engagement means may include male members adapted to engagedly co-operate with female members on an adjacent member unit.

10. (Previously presented) A shutter assembly according to claim 9, wherein the male members include headed pins.

11. (Previously presented) A shutter assembly according to claim 8, wherein the modular unit engagement means may include snap lock locaters.

12. (Previously presented) A shutter assembly according to claim 8, wherein the modular unit engagement means include any one chosen from the group of apertures, grooves, tracks, or slots.

13. (Previously presented) A shutter assembly according to claim 1, wherein the compact boss includes:

a) a short axial member whereby the boss is adapted to rotate about the axis of the axial member;

b) a complementary surface adapted to engage the translating member capable of translating the linear motion of the translating member into rotational movement of the boss;

c) a bearing surface adapted to rest in or on a support in the shutter assembly;
and

d) blade engagement means to impart rotational motion to the blade corresponding to the rotational motion of the boss.

14. (Withdrawn) A shutter assembly according to claim 13, wherein the blade engagement means engages the boss with the blade at two or more locations off-center relative to the axis of rotation of the axial member.

15. (Previously presented) A shutter assembly according to claim 13, wherein the blade engagement means includes at least one protrusion extending from either the boss or the shutter blade, such that the protrusion of the boss or the shutter blade is keyed to co-act with a correspondingly configured recess in the shutter blade or the boss, respectively.

16. (Withdrawn) A shutter assembly according to claim 13, wherein the engagement means includes a pair of protrusions lockably engageable to corresponding recesses in an end of the shutter blade.

17. (Previously presented) A shutter assembly according to claim 13, wherein the complementary surface includes a combination of ridges and recesses adapted to cooperate with complementary features on the translating member.

18. (Previously presented) A shutter assembly according to claim 13, wherein the complementary surface is in the form of geared teeth.

19-23. (Cancelled).